

From: PRZYBYLA, Jennifer (ATSDR/DTHHS/ETB)
Sent: Tue, 23 Jul 2019 18:05:23 +0000
To: Benson, Bob; Benedict, Rae T. (ATSDR/DTHHS/ETB); Williams, Malcolm (ATSDR/DTHHS/ETB); Johnson, Mark (EPA) (CDC.epa.gov); Faroon, Obaid (ATSDR/DTHHS/ETB); Scinicariello, Franco (ATSDR/DTHHS/ETB); Kadry, Abdel-Razak; Dunnick, June (NIH/NIEHS) [E]; Buser, Melanie (ATSDR/DTHHS/ETB); Prussia, Andrew James (ATSDR/DTHHS/OD); Wang, Richard (CDC/DDNID/NCEH/DLS); Abadin, Henry (ATSDR/DTHHS/ETB); Chou, Selene (ATSDR/DTHHS/ETB); Demchuk, Eugene (ATSDR/DTHHS/OD); Whittaker, Christine (CDC/NIOSH/DSI/REB); Todd, Glenn D. (Dan) (ATSDR/DTHHS/ETB); Ingerman, Lisa; SRC - David Wohlers (wohlers@srcinc.com) (wohlers@srcinc.com); Strong, Jamie; Behl, Betsy; Flaherty, Colleen
Subject: RE: Revised MRL Rationale Statement for Ethylene Oxide/ Interagency MRL Workgroup Meeting @ July 25-July 26/ Molybdenum, Ethylene Oxide & 2,4-D

Thank you for your response, Bob. The workgroup will discuss your comments and I will be sure to send you notes if the discussion takes place on the day you cannot attend.

From: Benson, Bob <Benson.Bob@epa.gov>
Sent: Tuesday, July 23, 2019 1:26 PM
To: Benedict, Rae T. (ATSDR/DTHHS/ETB) <hvb3@cdc.gov>; Williams, Malcolm (ATSDR/DTHHS/ETB) <mxw7@cdc.gov>; PRZYBYLA, Jennifer (ATSDR/DTHHS/ETB) <xgd1@cdc.gov>; Johnson, Mark (EPA) (CDC.epa.gov) <JOHNSON.MARK@EPA.GOV>; Faroon, Obaid (ATSDR/DTHHS/ETB) <oxs0@cdc.gov>; Scinicariello, Franco (ATSDR/DTHHS/ETB) <fes6@cdc.gov>; Kadry, Abdel-Razak <Kadry.Abdel@epa.gov>; Dunnick, June (NIH/NIEHS) [E] <dunnickj@niehs.nih.gov>; Buser, Melanie (ATSDR/DTHHS/ETB) <wyf9@cdc.gov>; Prussia, Andrew James (ATSDR/DTHHS/OD) <xby2@cdc.gov>; Wang, Richard (CDC/DDNID/NCEH/DLS) <rvw6@cdc.gov>; Abadin, Henry (ATSDR/DTHHS/ETB) <hga0@cdc.gov>; Chou, Selene (ATSDR/DTHHS/ETB) <cjc3@cdc.gov>; Demchuk, Eugene (ATSDR/DTHHS/OD) <eed5@cdc.gov>; Whittaker, Christine (CDC/NIOSH/DSI/REB) <cts6@cdc.gov>; Todd, Glenn D. (Dan) (ATSDR/DTHHS/ETB) <gdt1@cdc.gov>; Ingerman, Lisa <ingerman@srcinc.com>; SRC - David Wohlers (wohlers@srcinc.com) (wohlers@srcinc.com) <wohlers@srcinc.com>; Strong, Jamie <Strong.Jamie@epa.gov>; Behl, Betsy <Behl.Betsy@epa.gov>; Flaherty, Colleen <Flaherty.Colleen@epa.gov>
Subject: RE: Revised MRL Rationale Statement for Ethylene Oxide/ Interagency MRL Workgroup Meeting @ July 25-July 26/ Molybdenum, Ethylene Oxide & 2,4-D

I am not up to speed on all of the details of the BMD protocols for using intralitter correlations. (b) (5)

(b) (5)

From: Benedict, Rae T. (ATSDR/DTHHS/ETB) <hvb3@cdc.gov>
Sent: Tuesday, July 23, 2019 10:46 AM
To: Benson, Bob <Benson.Bob@epa.gov>; Williams, Malcolm (ATSDR/DTHHS/ETB) <mxw7@cdc.gov>; PRZYBYLA, Jennifer (ATSDR/DTHHS/ETB) <xgd1@cdc.gov>; Johnson, Mark <johnson.mark@epa.gov>; Faroon, Obaid (ATSDR/DTHHS/ETB) <oxs0@cdc.gov>; Scinicariello, Franco (ATSDR/DTHHS/ETB) <fes6@cdc.gov>; Kadry, Abdel-Razak <Kadry.Abdel@epa.gov>; Dunnick, June (NIH/NIEHS) [E]

<dunnickj@niehs.nih.gov>; Buser, Melanie (ATSDR/DTHHS/ETB) <wyf9@cdc.gov>; Prussia, Andrew James (ATSDR/DTHHS/OD) <xby2@cdc.gov>; Wang, Richard (CDC/DDNID/NCEH/DLS) <rvw6@cdc.gov>; Abadin, Henry (ATSDR/DTHHS/ETB) <hga0@cdc.gov>; Chou, Selene (ATSDR/DTHHS/ETB) <cjc3@cdc.gov>; Demchuk, Eugene (ATSDR/DTHHS/OD) <eed5@cdc.gov>; Whittaker, Christine (CDC/NIOSH/DSI/REB) <cts6@cdc.gov>; Todd, Glenn D. (Dan) (ATSDR/DTHHS/ETB) <gdt1@cdc.gov>; Ingerman, Lisa <ingerman@srcinc.com>; SRC - David Wohlers (wohlers@srcinc.com) (wohlers@srcinc.com) <wohlers@srcinc.com>; Strong, Jamie <Strong.Jamie@epa.gov>; Behl, Betsy <Behl.Betsy@epa.gov>; Flaherty, Colleen <Flaherty.Colleen@epa.gov>

Subject: RE: Revised MRL Rationale Statement for Ethylene Oxide/ Interagency MRL Workgroup Meeting @ July 25-July 26/ Molybdenum, Ethylene Oxide & 2,4-D

Bob,

Do you know of a BMD analysis that uses means of means and accounts for intralitter correlation? (b)(5)

(b)(5)

(b)(5)

Please see the below email from EPA.

From: John Fox <foxjff@yahoo.com>
Sent: Friday, June 28, 2019 7:07 AM
To: Wohlers, David <wohlers@srcinc.com>
Cc: Allen Davis <davis.allen@epa.gov>
Subject: RE: BMDS Ticket #179464

Notice: This message originated outside of SRC. -- Do not click on links or open attachments unless you are sure the content is safe, and Never enter your username and password.

RE: BMDS Ticket #179464

Dear Dr. Wohlers:

Is your work on the ethylene oxide developmental toxicity data being done under contract to EPA? If so, for what Office, and how urgent is it?

I ask this because providing a full explanation of how to conduct the analysis cited below may require additional effort and I need to prioritize my efforts.

EPA addressed such an analysis of fetal weights in the THF (tetrahydrofuran) IRIS assessment, Tox Review #1023-tr.pdf, Appendix B.1, pdf page 148.

http://cfpub.epa.gov/ncea/iris/iris_documents/documents/toxreviews/1023tr.pdf

(b) (5)

The approach outlined in the THF appendix obtains estimates of means and standard deviations with SAS and these are used in the BMDS continuous models.

I have forgotten how "N" is handled and would have to review my THF work for that. (b) (5)

(b) (5)

Sincerely,
John Fox
Mathematical Statistician
USEPA-ORD-NCEA (Washington Division)
fox.john@epa.gov

Rae
ATSDR
DTHHS
Environmental Toxicology Branch
Phone: 404.639.2370
Email: hvb3@cdc.gov

Telework: Monday, 1st and 3rd Wednesdays of month

Please note: This message may contain information that is important for you to know, but is not intended for public use. Please do not quote from this e-mail, or share any of the information contained in this e-mail with other persons, except with express consent of the sender. If you have received this message in error, please advise the sender by reply e-mail and delete this message immediately. Thank you for your cooperation.

From: Benson, Bob <Benson.Bob@epa.gov>

Sent: Tuesday, July 23, 2019 11:55 AM

To: Williams, Malcolm (ATSDR/DTHHS/ETB) <mxw7@cdc.gov>; PRZYBYLA, Jennifer (ATSDR/DTHHS/ETB) <xgd1@cdc.gov>; Johnson, Mark (EPA) (CDC epa.gov) <JOHNSON.MARK@EPA.GOV>; Faroon, Obaid (ATSDR/DTHHS/ETB) <oxs0@cdc.gov>; Benedict, Rae T. (ATSDR/DTHHS/ETB) <hvb3@cdc.gov>; Scinicariello, Franco (ATSDR/DTHHS/ETB) <fes6@cdc.gov>; Kadry, Abdel-Razak <Kadry.Abdel@epa.gov>; Dunnick, June (NIH/NIEHS) [E] <dunnickj@niehs.nih.gov>; Buser, Melanie (ATSDR/DTHHS/ETB) <wylf9@cdc.gov>; Prussia, Andrew James (ATSDR/DTHHS/OD) <xby2@cdc.gov>; Wang, Richard (CDC/DDNID/NCEH/DLS) <rvw6@cdc.gov>; Abadin, Henry (ATSDR/DTHHS/ETB) <hga0@cdc.gov>; Chou, Selene (ATSDR/DTHHS/ETB) <cjc3@cdc.gov>; Demchuk, Eugene (ATSDR/DTHHS/OD) <eed5@cdc.gov>; Whittaker, Christine (CDC/NIOSH/DSI/REB) <cts6@cdc.gov>; Todd, Glenn D. (Dan) (ATSDR/DTHHS/ETB) <gdt1@cdc.gov>; Ingerman, Lisa <ingerman@srcinc.com>; SRC - David Wohlers (wohlers@srcinc.com)

(wohlers@srcinc.com) <wohlers@srcinc.com>; Strong, Jamie <Strong.Jamie@epa.gov>; Behl, Betsy <Behl.Betsy@epa.gov>; Flaherty, Colleen <Flaherty.Colleen@epa.gov>

Subject: RE: Revised MRL Rationale Statement for Ethylene Oxide/ Interagency MRL Workgroup Meeting @ July 25-July 26/ Molybdenum, Ethylene Oxide & 2,4-D

(b) (5)

From: Williams, Malcolm (ATSDR/DTHHS/ETB) <mxw7@cdc.gov>

Sent: Monday, July 22, 2019 1:41 PM

To: PRZYBYLA, Jennifer (ATSDR/DTHHS/ETB) <xgd1@cdc.gov>; Johnson, Mark <johnson.mark@epa.gov>; Faroon, Obaid (ATSDR/DTHHS/ETB) <oxs0@cdc.gov>; Benedict, Rae T. (ATSDR/DTHHS/ETB) <hvb3@cdc.gov>; Scinicariello, Franco (ATSDR/DTHHS/ETB) <fes6@cdc.gov>; Kadry, Abdel-Razak <Kadry.Abdel@epa.gov>; Dunnick, June (NIH/NIEHS) [E] <dunnickj@niehs.nih.gov>; Buser, Melanie (ATSDR/DTHHS/ETB) <wvyf9@cdc.gov>; Prussia, Andrew James (ATSDR/DTHHS/OD) <xby2@cdc.gov>; Wang, Richard (CDC/DDNID/NCEH/DLS) <rvw6@cdc.gov>; Abadin, Henry (ATSDR/DTHHS/ETB) <hga0@cdc.gov>; Chou, Selene (ATSDR/DTHHS/ETB) <cjc3@cdc.gov>; Demchuk, Eugene (ATSDR/DTHHS/OD) <eed5@cdc.gov>; Whittaker, Christine (CDC/NIOSH/DSI/REB) <cts6@cdc.gov>; Todd, Glenn D. (Dan) (ATSDR/DTHHS/ETB) <gdt1@cdc.gov>; Ingberman, Lisa <ingberman@srcinc.com>; SRC - David Wohlers (wohlers@srcinc.com) (wohlers@srcinc.com) <wohlers@srcinc.com>; Benson, Bob <Benson.Bob@epa.gov>; Strong, Jamie <Strong.Jamie@epa.gov>; Behl, Betsy <Behl.Betsy@epa.gov>; Flaherty, Colleen <Flaherty.Colleen@epa.gov>; Williams, Malcolm (ATSDR/DTHHS/ETB) <mxw7@cdc.gov>

Subject: Revised MRL Rationale Statement for Ethylene Oxide/ Interagency MRL Workgroup Meeting @ July 25-July 26/ Molybdenum, Ethylene Oxide & 2,4-D

Attached you will find a revised MRL Rationale Statement for ethylene oxide. This version has an update

(b)(5)

Thanks. Malcolm D. Williams, DVM, PhD, Co-chair MRL Interagency Workgroup

From: Williams, Malcolm (ATSDR/DTHHS/ETB) <mxw7@cdc.gov>

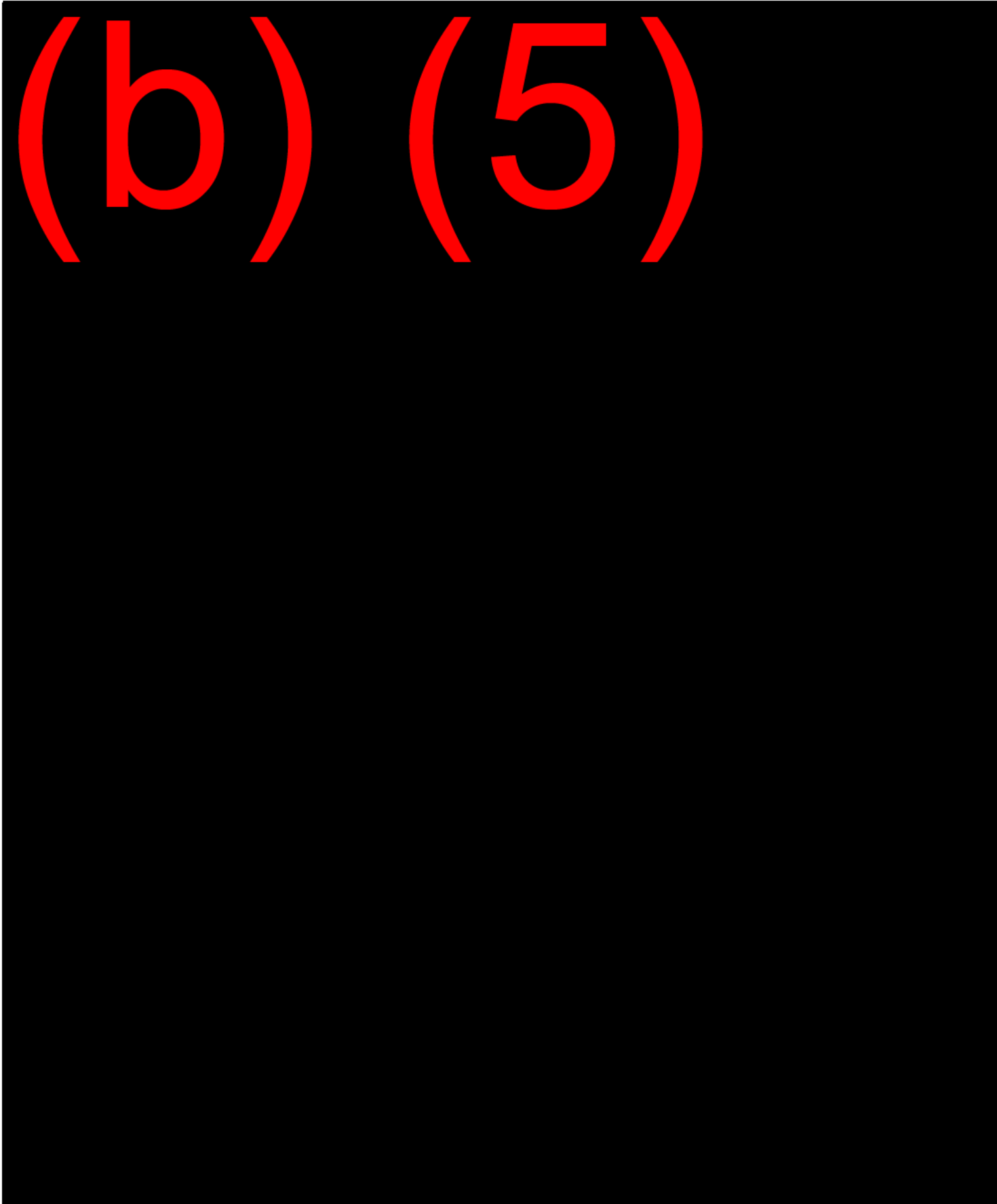
Sent: Wednesday, July 17, 2019 3:21 PM

To: PRZYBYLA, Jennifer (ATSDR/DTHHS/ETB) <xgd1@cdc.gov>; Johnson, Mark (EPA) (CDC epa.gov) <JOHNSON.MARK@EPA.GOV>; Faroon, Obaid (ATSDR/DTHHS/ETB) <oxs0@cdc.gov>; Benedict, Rae T. (ATSDR/DTHHS/ETB) <hvb3@cdc.gov>; Williams, Malcolm (ATSDR/DTHHS/ETB) <mxw7@cdc.gov>; Scinicariello, Franco (ATSDR/DTHHS/ETB) <fes6@cdc.gov>; Kadry, Abdel-Razak <Kadry.Abdel@epa.gov>; Dunnick, June (NIH/NIEHS) [E] <dunnickj@niehs.nih.gov>; Buser, Melanie (ATSDR/DTHHS/ETB) <wvyf9@cdc.gov>; Prussia, Andrew James (ATSDR/DTHHS/OD) <xby2@cdc.gov>; Wang, Richard (CDC/DDNID/NCEH/DLS) <rvw6@cdc.gov>; Abadin, Henry (ATSDR/DTHHS/ETB) <hga0@cdc.gov>; Chou, Selene (ATSDR/DTHHS/ETB) <cjc3@cdc.gov>; Demchuk, Eugene (ATSDR/DTHHS/OD) <eed5@cdc.gov>; Whittaker, Christine (CDC/NIOSH/DSI/REB) <cts6@cdc.gov>; Todd, Glenn D. (Dan) (ATSDR/DTHHS/ETB) <gdt1@cdc.gov>; Ingberman, Lisa <ingberman@srcinc.com>; SRC - David Wohlers (wohlers@srcinc.com) (wohlers@srcinc.com) <wohlers@srcinc.com>; Benson, Bob (Benson.Bob@epa.gov) <Benson.Bob@epa.gov>

Subject: Interagency MRL Workgroup Meeting @ July 25-July 26/ Molybdenum, Ethylene Oxide & 2,4-D

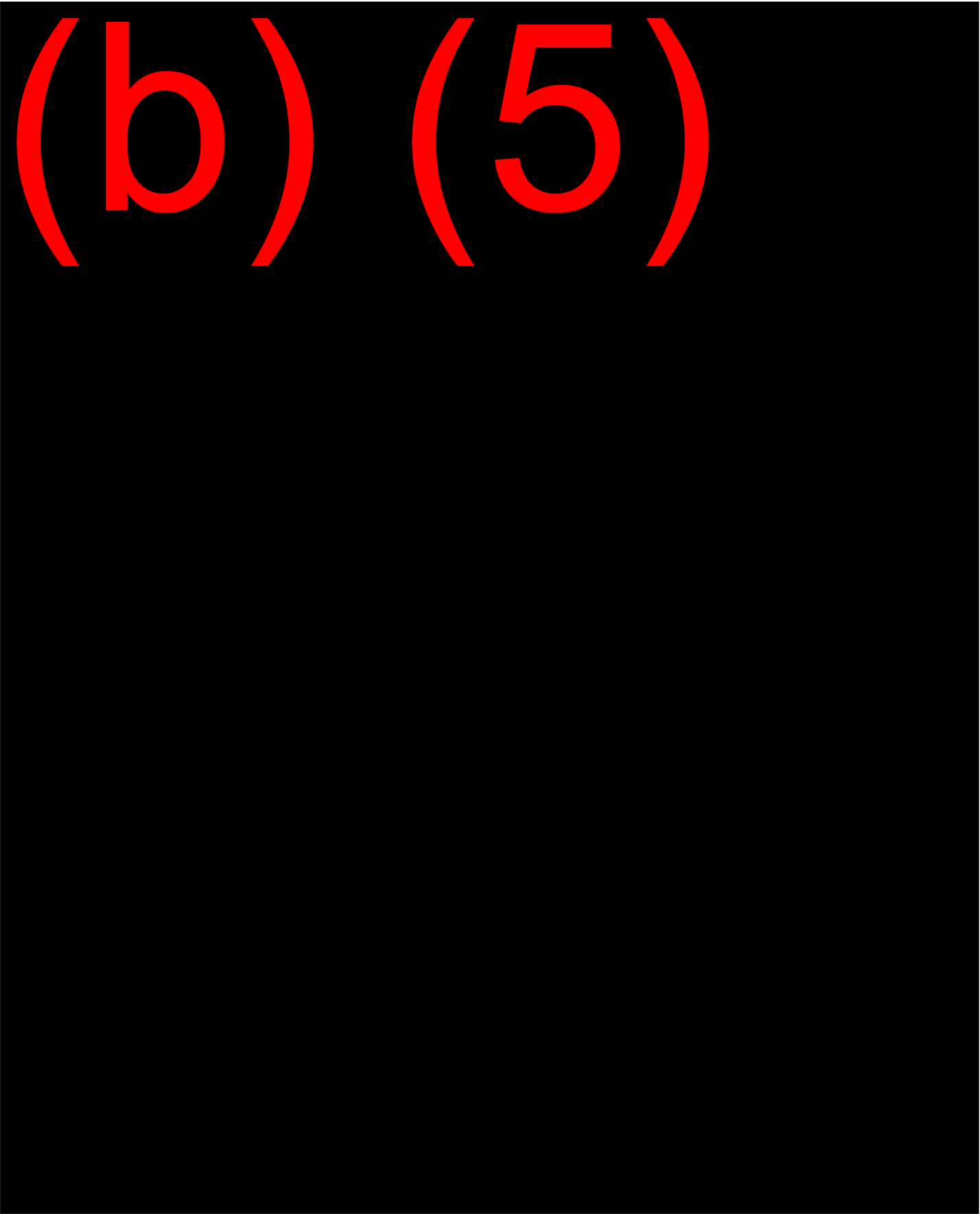
There is an Interagency MRL Workgroup Meeting scheduled for July 25 and July 26. The meeting will begin at 9:30am on both days. Proposed MRLs for the following toxicological profiles will be reviewed: Ethylene oxide, Molybdenum, and 2,4-D. You will find those files attached. If you have any questions, please do not hesitate to call. Thank you. Malcolm D. Williams, DVM, PhD, Co-chair MRL Interagency Workgroup/ 404-583-3403

(b) (5)

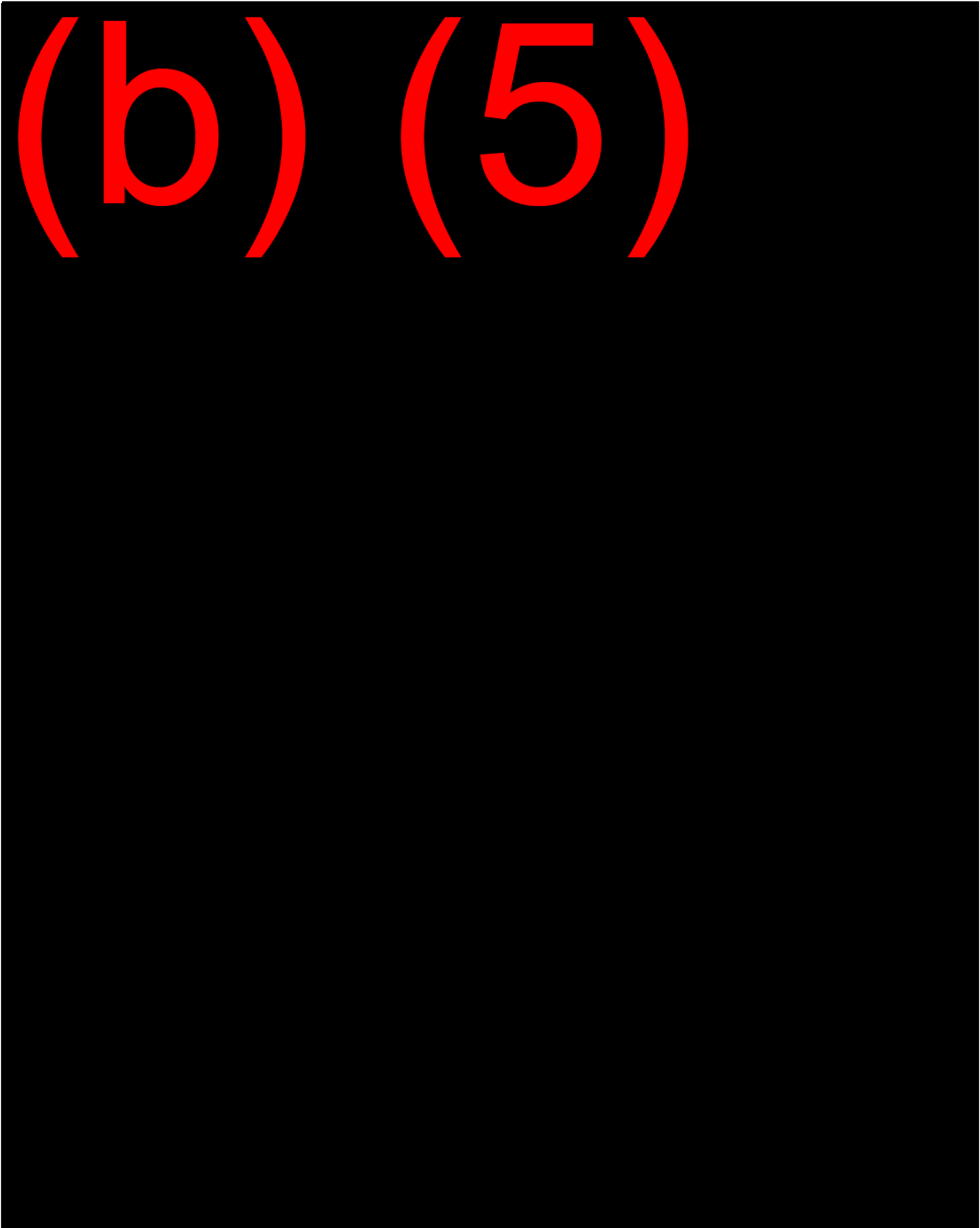


(b) (5)

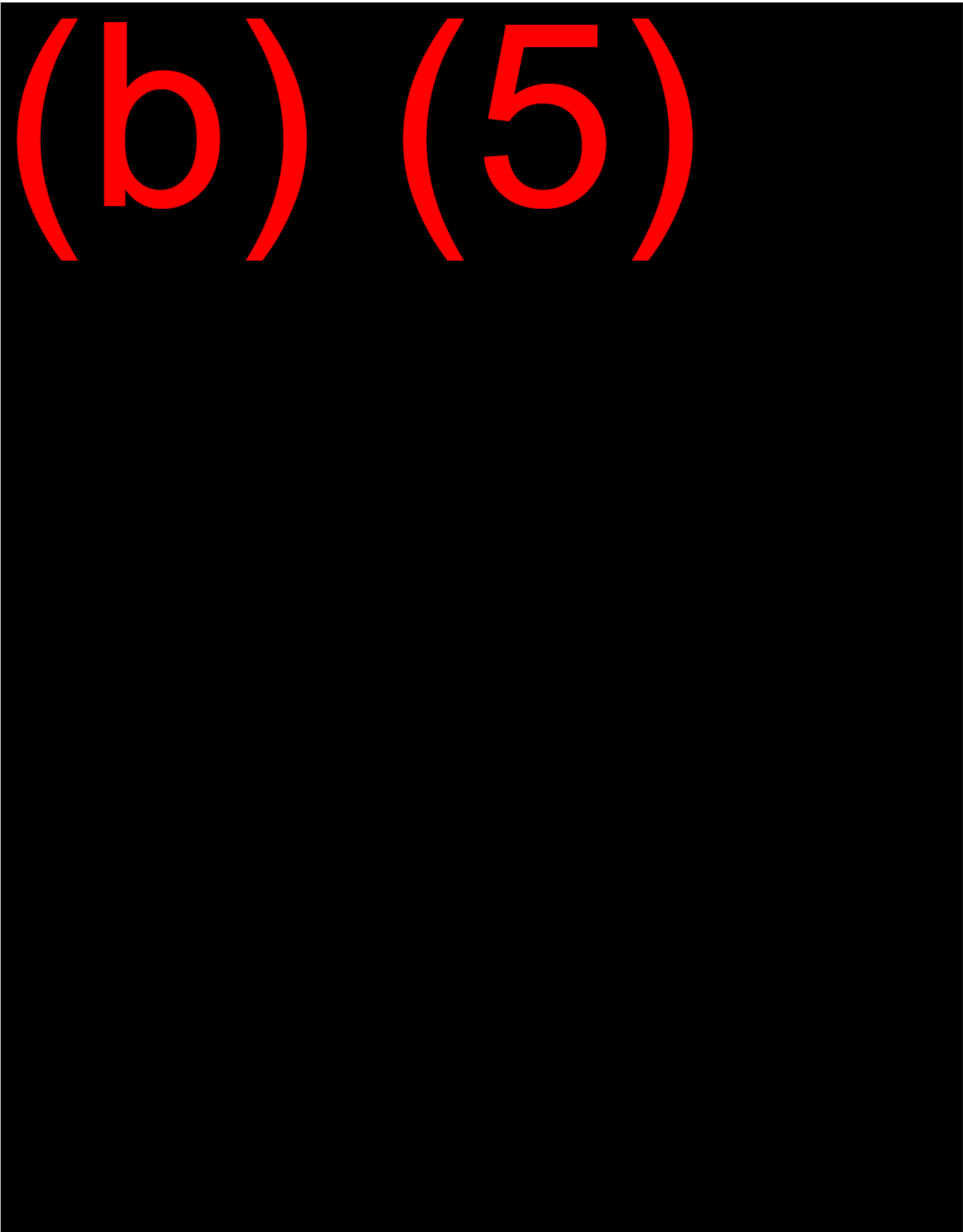
(b) (5)



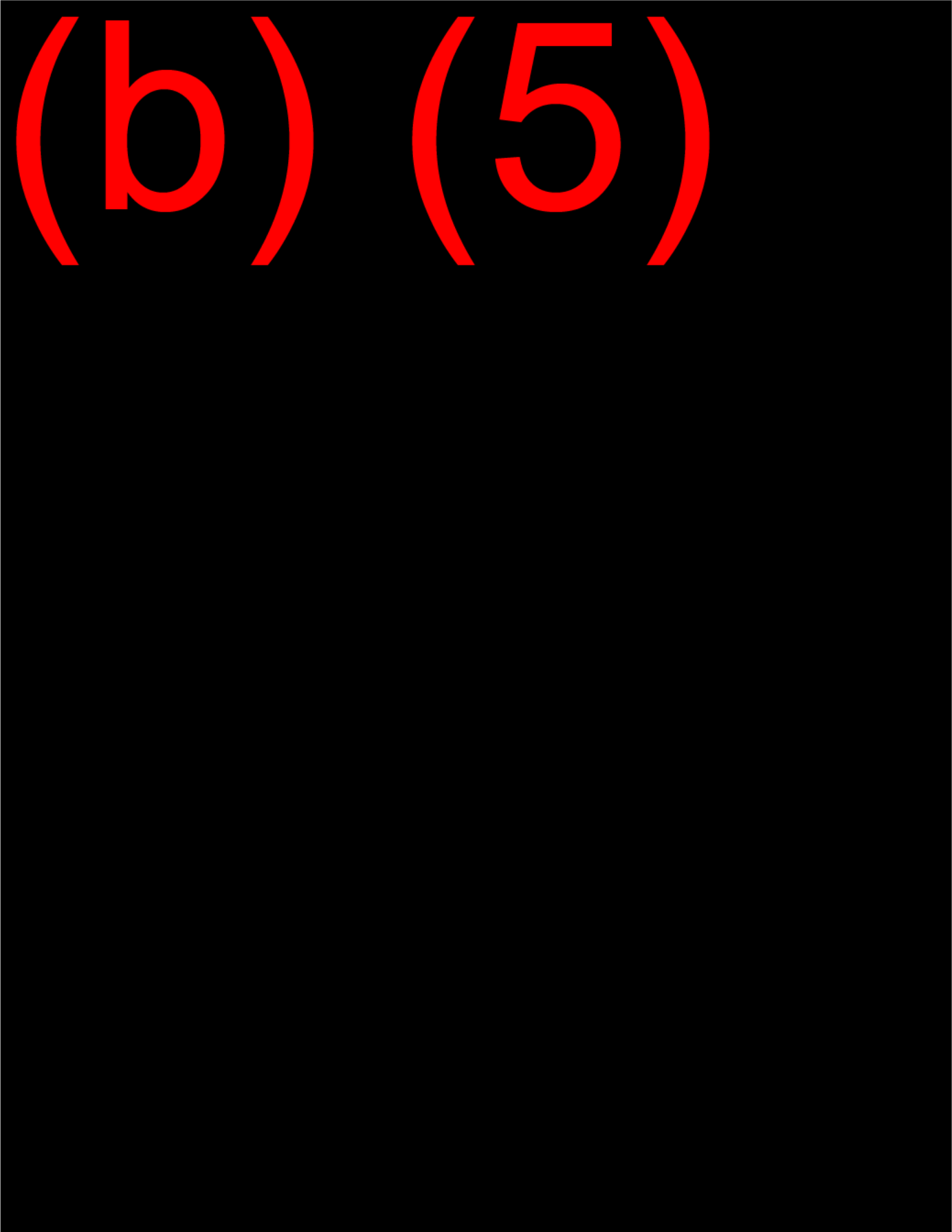
(b) (5)



(b) (5)



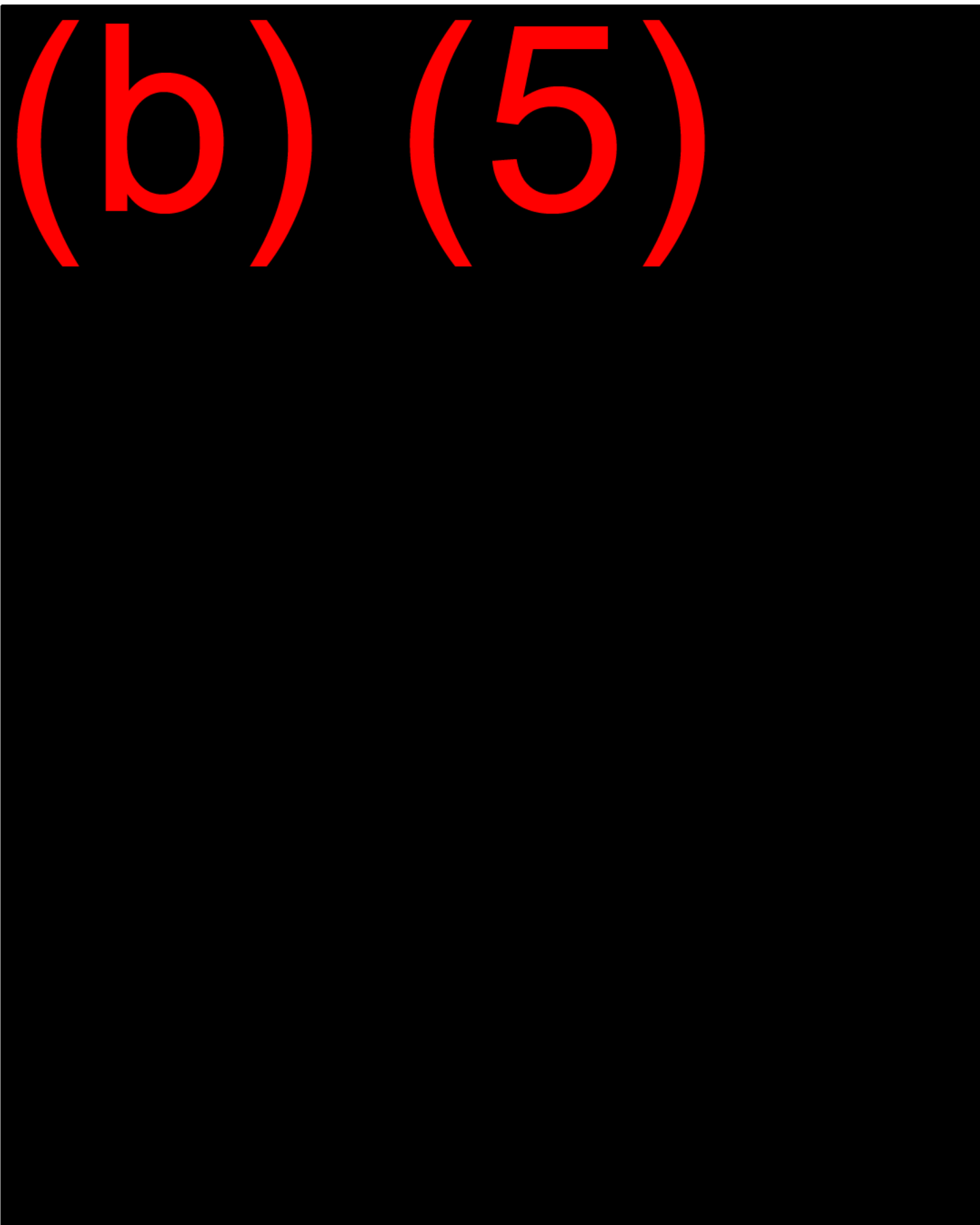
(b) (5)



(b) (5)

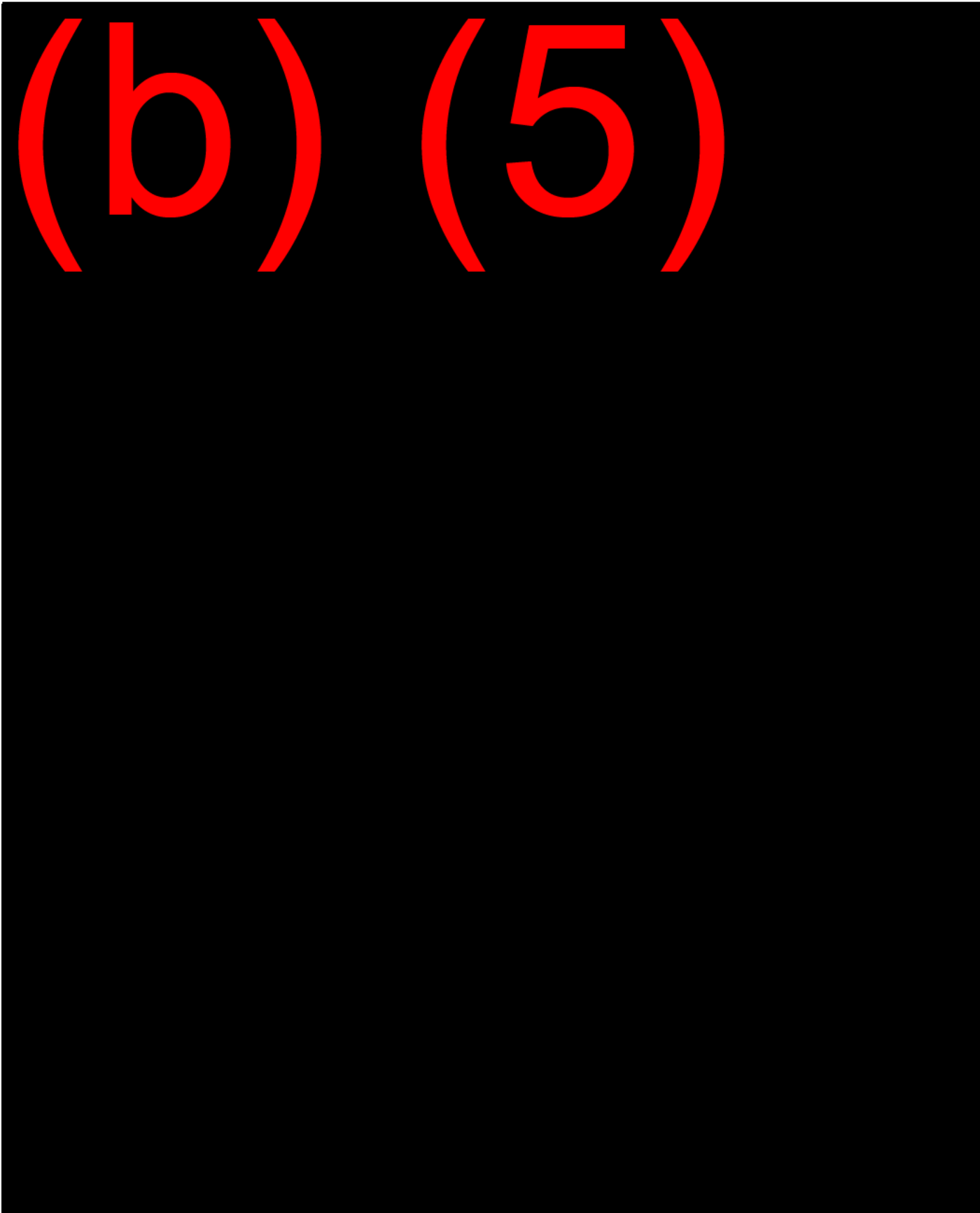
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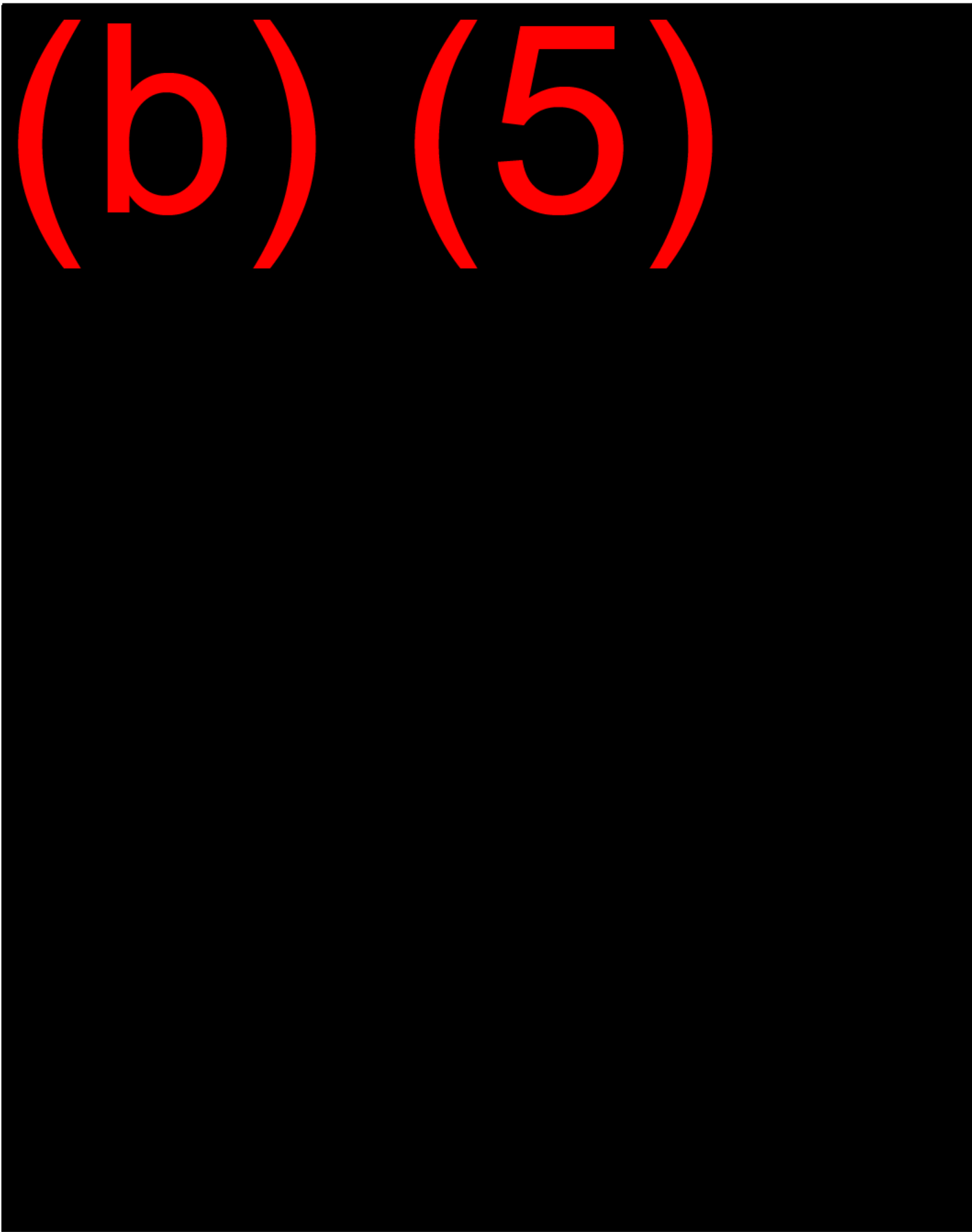


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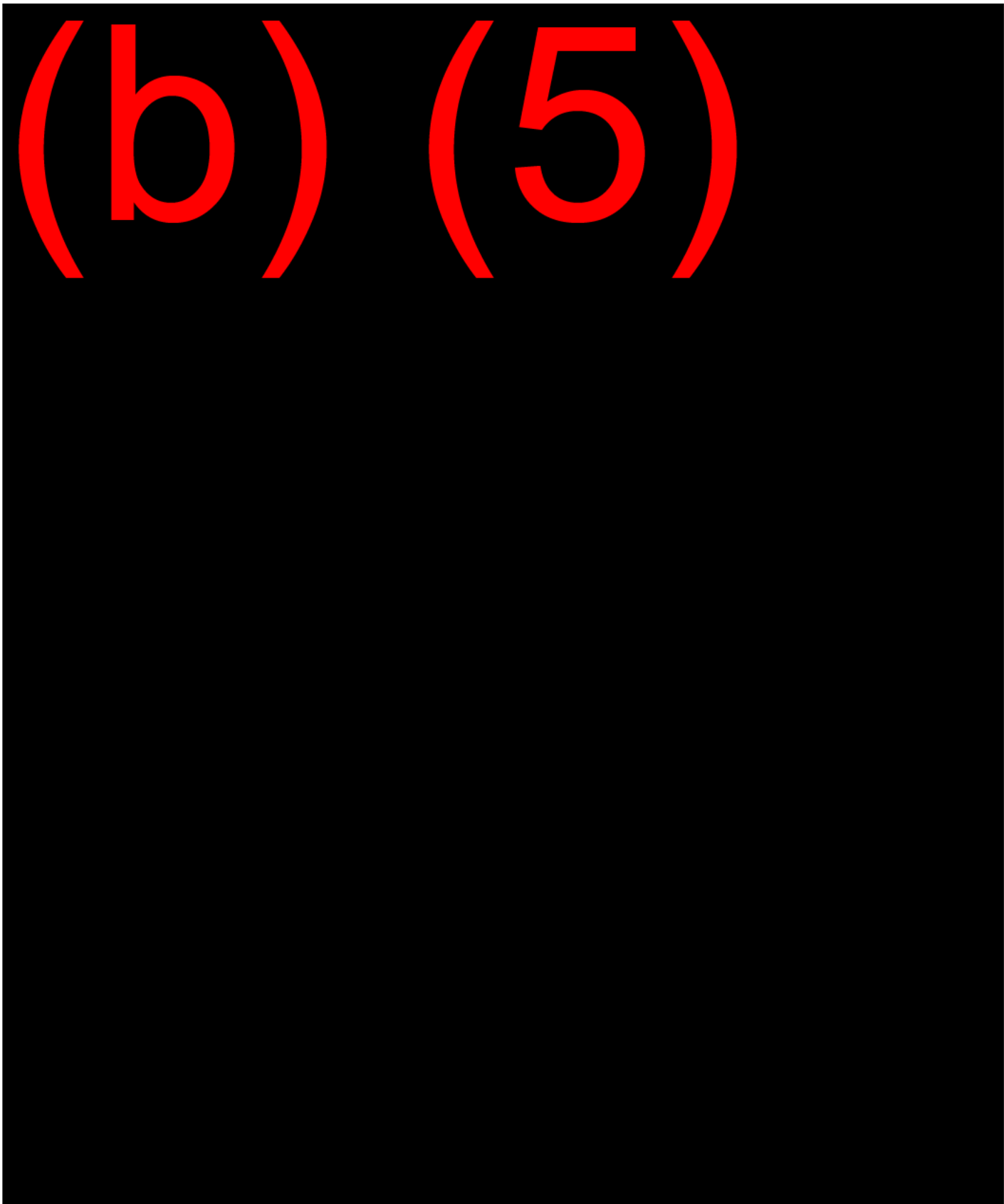
(b) (5)



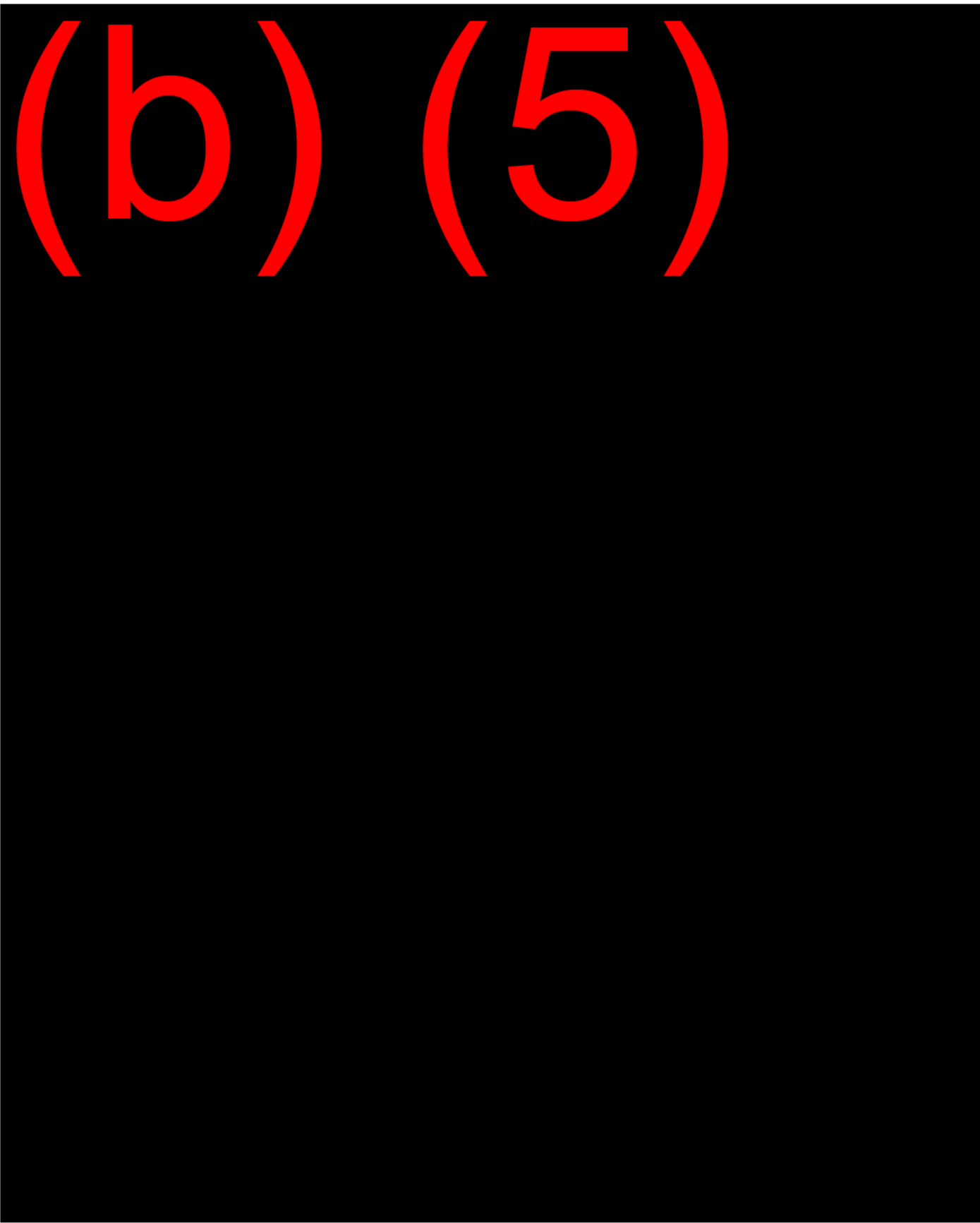
(b) (5)



(b) (5)



(b) (5)



(b) (5)

From: PRZYBYLA, Jennifer (ATSDR/OAD/OCHHA)
Sent: Thu, 30 Sep 2021 20:20:47 +0000
To: Ramasamy, Santhini
Cc: Abadin, Henry (ATSDR/OAD/OIA); Szafran, Brittany (ATSDR/OAD/OIA); Thayer, Kris; White, Paul
Subject: RE: EtO Profile, Comment 11

Hi Santhini,

Monday at 3 pm works for us. I will send the invite.

Thanks

From: Ramasamy, Santhini <Ramasamy.Santhini@epa.gov>
Sent: Thursday, September 30, 2021 3:43 PM
To: PRZYBYLA, Jennifer (ATSDR/OAD/OCHHA) <xgd1@cdc.gov>
Cc: Abadin, Henry (ATSDR/OAD/OIA) <hga0@cdc.gov>; Szafran, Brittany (ATSDR/OAD/OIA) <rov0@cdc.gov>; Thayer, Kris <thayer.kris@epa.gov>; White, Paul <White.Paul@epa.gov>
Subject: RE: EtO Profile, Comment 11

Hi Jennifer,

Sorry, Tuesday 1:30 pm does not work for me and I see that is not free for Paul.

I have the following slots available and will any of these work at your end for half hour time?

Mon Oct 4: 3-4 pm
Wed Oct 6 2-3 pm
Thurs Oct 7, 9-10 am
Fri Oct 8, 1-2 pm; 3-4 pm

Thanks.

Santhini

From: PRZYBYLA, Jennifer (ATSDR/OAD/OCHHA) <xgd1@cdc.gov>
Sent: Thursday, September 30, 2021 3:33 PM
To: Ramasamy, Santhini <Ramasamy.Santhini@epa.gov>
Cc: hga0@cdc.gov; Szafran, Brittany (ATSDR/OAD/OIA) <rov0@cdc.gov>; Thayer, Kris <thayer.kris@epa.gov>; White, Paul <White.Paul@epa.gov>
Subject: RE: EtO Profile, Comment 11

Hi Santhini,

I checked our schedules and Tuesday from 1:30 pm to 2:00 pm works. Please send an invite to myself, Brittany, and Henry.

Thank you,

From: Ramasamy, Santhini <Ramasamy.Santhini@epa.gov>
Sent: Thursday, September 30, 2021 11:15 AM
To: PRZYBYLA, Jennifer (ATSDR/OAD/OCHHA) <xgd1@cdc.gov>
Cc: Abadin, Henry (ATSDR/OAD/OIA) <hga0@cdc.gov>; Szafran, Brittany (ATSDR/OAD/OIA) <rov0@cdc.gov>; Thayer, Kris <thayer.kris@epa.gov>; White, Paul <White.Paul@epa.gov>
Subject: RE: EtO Profile, Comment 11

Hi Jennifer,

Sorry we did not get back to you sooner. Apologies.

Would you be available next week or later to meet with Paul to discuss Comment 11? I can send the invite upon hearing from you, if that helps.

Santhini

From: PRZYBYLA, Jennifer (ATSDR/OAD/OCHHA) <xgd1@cdc.gov>
Sent: Wednesday, September 15, 2021 3:13 PM
To: White, Paul <White.Paul@epa.gov>; Ramasamy, Santhini <Ramasamy.Santhini@epa.gov>
Cc: hga0@cdc.gov; Szafran, Brittany (ATSDR/OAD/OIA) <rov0@cdc.gov>; Thayer, Kris <thayer.kris@epa.gov>
Subject: RE: EtO Profile, Comment 11

Thanks for clarifying Paul. Will 1:30 to 2 pm EST on Monday work for you both to discuss your comments?

From: White, Paul <White.Paul@epa.gov>
Sent: Friday, September 10, 2021 1:56 PM
To: Ramasamy, Santhini <Ramasamy.Santhini@epa.gov>; PRZYBYLA, Jennifer (ATSDR/OAD/OCHHA) <xgd1@cdc.gov>
Cc: Abadin, Henry (ATSDR/OAD/OIA) <hga0@cdc.gov>; Szafran, Brittany (ATSDR/OAD/OIA) <rov0@cdc.gov>; Thayer, Kris <thayer.kris@epa.gov>
Subject: RE: EtO Profile, Comment 11

Hi Jennifer,

Thanks for taking another look at Comment 11.

(b) (5)

(b) (5)

Thanks for your consideration,
Paul White

From: Ramasamy, Santhini <Ramasamy.Santhini@epa.gov>
Sent: Friday, September 10, 2021 11:46 AM
To: PRZYBYLA, Jennifer (ATSDR/OAD/OCHHA) <xgd1@cdc.gov>
Cc: hga0@cdc.gov; Szafran, Brittany (ATSDR/OAD/OIA) <rov0@cdc.gov>; White, Paul <White.Paul@epa.gov>
Subject: RE: EtO Profile, Comment 11

Appreciate it. Thanks Jennifer (and Henry). I am looping Paul here to see the best time that would work for all of us to discuss next week.

Best,

-**Santhini** (she/her/hers)

Santhini Ramasamy, PhD, MPH, DABT; Regulatory Program Support Coordinator, Center for Public Health and Environmental Assessment, Office of Research and Development, U.S. Environmental Protection Agency, Washington DC. Office: 202 564 8328; Cell: (b) (6)
Email: Ramasamy.Santhini@epa.gov

From: PRZYBYLA, Jennifer (ATSDR/OAD/OCHHA) <xgd1@cdc.gov>
Sent: Friday, September 10, 2021 11:42 AM
To: Ramasamy, Santhini <Ramasamy.Santhini@epa.gov>
Cc: hga0@cdc.gov; Szafran, Brittany (ATSDR/OAD/OIA) <rov0@cdc.gov>
Subject: EtO Profile, Comment 11

Hello Santhini,

Thank you for the comments you provided on the Ethylene Oxide tox profile. Henry forwarded me your email concerning our response to Comment 11. Let me take a look at our response and get back to you to discuss sometime next week.

Have a good weekend,

Jennifer Przybyla, PhD

Epidemiologist

Office of Innovation and Analytics (OIA)

Agency for Toxic Substances and Disease Registry (ATSDR)

Centers for Disease Control and Prevention (CDC)

xgd1@cdc.gov | 404.498.5264 office

ATSDR Agency for Toxic Substances and Disease Registry

Protecting People from Harmful Environmental Exposures

From: PRZYBYLA, Jennifer (ATSDR/DTHHS/ETB)
Sent: Mon, 3 Aug 2020 13:16:44 +0000
To: Strum, Madeleine
Subject: RE: EtO Tox Profile Follow up

Thank you for your help Madeleine!

From: Strum, Madeleine <Strum.Madeleine@epa.gov>
Sent: Sunday, August 2, 2020 5:53 PM
To: PRZYBYLA, Jennifer (ATSDR/DTHHS/ETB) <xgd1@cdc.gov>
Subject: RE: EtO Tox Profile Follow up

Hi Jennifer

A sector summary with 2017 data is in the "sector_eto-2017NEI" TAB of the attached excel workbook – the 2nd column contains the rounded values in pounds, based on the 2017 NEI (publicly available at <https://www.epa.gov/air-emissions-inventories/2017-national-emissions-inventory-nei-data>)
Let me know if you have any questions.

Madeleine

Madeleine Strum
U.S. Environmental Protection Agency | 109 TW Alexander Drive, RTP, NC 27711
Office of Air Quality Planning and Standards | Air Quality Assessment Division | Emission Inventory and Analysis Group
919 541 2383 (office phone)

From: PRZYBYLA, Jennifer (ATSDR/DTHHS/ETB) <xgd1@cdc.gov>
Sent: Friday, July 31, 2020 7:06 PM
To: Strum, Madeleine <Strum.Madeleine@epa.gov>
Subject: RE: EtO Tox Profile Follow up

Hi Madeleine,

I apologize for the delay in responding. (b)(6) Below is a table of EtO NEI data we have already compiled. Because we need to cite the data we can only update based on the April data not the June data because we can't cite the June data. In other words if you can please pull the April data based sectors below.

Table 5-3. Ethylene Oxide Emissions from the National Emissions Inventory

Emission sector	Amount of ethylene oxide emitted to air (pounds)
Fuel combustion, commercial/institutional, natural gas	16

Table 5-3. Ethylene Oxide Emissions from the National Emissions Inventory

Emission sector	Amount of ethylene oxide emitted to air (pounds)
Fuel combustion, commercial/institutional, oil	1,580
Fuel combustion, electric generation, natural gas	42
Fuel combustion, industrial boilers, ices, natural gas	29
Fuel combustion, industrial boilers, ices, other	5
Industrial processes, chemical manufacturing	224,493
Industrial processes, not elsewhere classified	106,246
Industrial processes, oil and gas production	0.048
Industrial processes, petroleum refineries	1,589
Industrial processes, pulp and paper	6
Industrial processes, storage and transfer	9,929
Solvent, consumer and commercial solvent use	3,5221
Solvent, degreasing	169
Solvent, graphic arts	13
Solvent, industrial surface coating and solvent use	7,208
Waste disposal	3,341

Source: EPA 2014b

Thanks again for your help!

From: Strum, Madeleine <Strum.Madeleine@epa.gov>
Sent: Tuesday, July 28, 2020 11:56 AM
To: PRZYBYLA, Jennifer (ATSDR/DTHHS/ETB) <xgd1@cdc.gov>
Cc: Weinstock, Lewis <Weinstock.Lewis@epa.gov>
Subject: RE: EtO Tox Profile Follow up

Hi Jennifer,

I'm with the Emissions Inventory and Analysis Group in OAQPS. Lew Weinstock suggested I email you directly to let you know about the 2017 NEI. We publicly released the 2017 NEI (<https://www.epa.gov/air-emissions-inventories/2017-national-emissions-inventory-nei-data>) in April 2020. There's also an updated version (June) of the 2017 data in our Emission Inventory System (not posted on the website) that has a few changes to EtO that we received from data submitters after the April release. I don't know if these changes would have a significant impact on your summary since I don't know what resolution it is. I can create the summary using both versions, if you would like. Please let me know what emissions summar(ies) you would like based on the 2017 NEI.

Thanks,

Madeleine

Madeleine Strum

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919 541 2383 (office phone)

From: Weinstock, Lewis <Weinstock.Lewis@epa.gov>
Sent: Thursday, July 23, 2020 1:54 PM
To: Strum, Madeleine <Strum.Madeleine@epa.gov>
Subject: FW: EtO Tox Profile Follow up

Hi Madeleine:

When I reviewed ATSDR's EtO tox profile (last December), I provided a comment to them about an EtO emissions table based on 2014 data. If they wanted to revise this table using the 2017 reported EtO data – is there a readily available source?

Lewis Weinstock | Office of Air Quality Planning & Standards | Air Quality Assessment Division | U.S. Environmental Protection Agency | Research Triangle Park, NC 27711 | Phone: 919-541-3661 |

From: PRZYBYLA, Jennifer (ATSDR/DTHHS/ETB) <xgd1@cdc.gov>
Sent: Thursday, July 23, 2020 1:14 PM
To: Weinstock, Lewis <Weinstock.Lewis@epa.gov>
Subject: EtO Tox Profile Follow up

Hi Lewis,

Thank you for reviewing the Chapter 5 of the EtO Tox Profile. Please see below for your comment on the 2017 point source data. Can you provide us with more information about this data? Is it publicly available? Where can we find it? Can you provide it?

Also Mark Johnson mentioned the CARB method for analytical detection is no longer a valid method for EtO air detection. I found EPA's method TO-15A used to detect EtO. Is this the current recommended method? I don't see a MDL listed, do you know of what the MDL is?

models for on- and off-road emissions; and databases related to EPA's Maximum Achievable Control Technology (MACT) programs to reduce emissions of HAPs. Ethylene oxide emissions estimated from the 2014 inventory are summarized in Table 5-3.

Table 5-3. Ethylene Oxide Emissions from the National Emissions Inventory



Thank you for your help!

Jennifer Przybyla, MS, MS, PhD
Epidemiologist
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